The faculty brings together expertise in Child Health, Women’s and Reproductive Health, Population Health and Cardiovascular Science in a unique grouping that spans the life course. Our research elucidates the biological, behavioural and psychosocial processes that operate across an individual’s life, and across generations, that affect the development of disease in populations. The UCL Institutes of Child Health, for Women’s Health, of Cardiovascular Sciences, and Epidemiology and Health Care comprehensively address all the phases and periods that together represent each life-stage, from conception, birth, childhood, adolescence into adulthood, older age and death. Our aim is to deliver outstanding research and teaching for improved human health through our world-class staff.

Cardiovascular Science 116
Child Health 117
Epidemiology and Public Health 118
Health Informatics and Multiprofessional Education 119
Infection and Population Health 120
Primary Care and Population Health 121
Women’s Health 122
The Institute of Cardiovascular Science (ICS) was set up in 2011 as one of the most innovative and exciting initiatives in the UCL School of Life and Medical Sciences. The ICS aims to be a world-class centre of excellence in pioneering novel, integrative strategies in preventative and therapeutic cardiovascular medicine.

Students benefit from the productive collaborations between scientists and clinical researchers and the exposure to clinical aspects of research activities, as well as access to world-class facilities.

Central to our activities is close collaboration between industry, clinicians and academics. Significant income from scientific grants and charitable organisations support our role as leader in cardiovascular research in the UK.

We run a ‘buddy’ mentoring scheme to support, inspire and guide students to further their careers both in the institute and in the scientific community as a whole.

Entry requirements
A minimum of an upper second-class Bachelor’s degree from a UK university in an appropriate subject, or an overseas qualification of an equivalent standard.

Career prospects
Recent research graduates are in demand for academic or postdoctoral positions, nationally and internationally. Others move into biotechnology and drug development for multinational companies.

Taught programme
Cardiovascular Science MSc FT1

Entry requirements
A minimum of an upper second-class Bachelor’s degree in a scientific or medical discipline from a UK university or an overseas qualification of an equivalent standard.

Career prospects
The MSc offers students the opportunity to learn about topical areas in cardiovascular science, preparing them for further research or a career in industry.

Research programmes
MPhil/PhD FT3 PT5
MD(Res) FT3 PT5

The research areas represented include:
• Arrhythmias
• Cardiac development
• Cardiomyopathies
• Cerebrovascular disease
• Congenital heart disease
• Epidemiology
• Genetics
• Imaging
• Ischaemic heart disease
• Metabolism (diabetes and obesity)
• Prevention
• Regenerative therapy
• Surgery
• Vascular biology and physiology.

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Taught programme:
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Funding
British Heart Foundation and Research Council studentships and fellowships are occasionally available for MPhil/PhD students.

Further information on pages 26–31

Related departments
Child Health, page 117
Epidemiology and Public Health, page 118
Genetics, Evolution and Environment, page 88
Medicine, page 111
Ophthalmology, page 55
The UCL Institute of Child Health has a very close relationship with the Great Ormond Street Hospital for Children and much of its research and teaching is carried out on a joint basis.

Our academic structure consists of eight research themes, facilitating interdisciplinary research and allowing flexibility for developing new areas of investigation.

Graduate students benefit from excellent facilities in both laboratory and non-laboratory subjects.

We are also engaged in research in population health sciences in the UK and overseas.

**Research programmes**

**MPhil/PhD**

<table>
<thead>
<tr>
<th>Programme</th>
<th>Type</th>
<th>Duration</th>
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<tbody>
<tr>
<td>Taught programmes continued</td>
<td></td>
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</tr>
<tr>
<td>Applied Paediatric Neurpsychology MSc</td>
<td>FT1</td>
<td></td>
</tr>
<tr>
<td>Cell and Gene Therapy MSc (flexible 2-5 years)</td>
<td>FT1</td>
<td></td>
</tr>
<tr>
<td>Postgraduate Diploma (flexible 2-5 years)</td>
<td>FT9m</td>
<td></td>
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<tr>
<td>Postgraduate Certificate (flexible 1-2 years)</td>
<td>FT3m</td>
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<tr>
<td>Child and Adolescent Mental Health MSc</td>
<td>FT1</td>
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<tr>
<td>Postgraduate Diploma (flexible 2-5 years)</td>
<td>FT1</td>
<td></td>
</tr>
<tr>
<td>Postgraduate Certificate PT1</td>
<td>FT1</td>
<td></td>
</tr>
<tr>
<td>Clinical Paediatric Neurpsychology MSc</td>
<td>FT1</td>
<td></td>
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<tr>
<td>Postgraduate Diploma (flexible 2-5 years)</td>
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</tr>
<tr>
<td>Postgraduate Certificate (flexible 1-2 years)</td>
<td>PT2</td>
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</tr>
<tr>
<td>Global Health and Development MSc</td>
<td>FT1</td>
<td></td>
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<tr>
<td>Postgraduate Diploma (flexible 2-5 years)</td>
<td>FT9m</td>
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<tr>
<td>Postgraduate Certificate (flexible 1-2 years)</td>
<td>PT2</td>
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<tr>
<td>International Child Health MSc</td>
<td>FT1</td>
<td></td>
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<tr>
<td>Postgraduate Diploma (flexible 2-5 years)</td>
<td>FT1</td>
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<tr>
<td>Postgraduate Certificate (flexible 1-2 years)</td>
<td>FT9m</td>
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<tr>
<td>International Health European MSc</td>
<td>FT1</td>
<td></td>
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<tr>
<td>Paediatrics and Child Health MSc</td>
<td>FT1</td>
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<td>Postgraduate Diploma (flexible 2-5 years)</td>
<td>FT1</td>
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<tr>
<td>Postgraduate Certificate (flexible 1-2 years)</td>
<td>FT9m</td>
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**Entry requirements**

Science graduates must have a minimum of an upper second-class UK Bachelor’s degree in a relevant discipline or an overseas qualification of an equivalent standard. Clinical candidates must have a registerable qualification appropriate to the programme to be followed in Medicine, Dentistry or Veterinary Studies.

**Career prospects**

Non-clinical PhD graduates typically move onto grant-funded postdoctoral research fellowships either at UCL or elsewhere. Clinical PhD or MD(Res) graduates usually go on to complete their clinical and/or research training.

**MRes**

<table>
<thead>
<tr>
<th>Programme</th>
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<th>Duration</th>
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<tbody>
<tr>
<td>Taught programmes</td>
<td></td>
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</tr>
<tr>
<td>Biomedicine MRes</td>
<td>FT1</td>
<td></td>
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<tr>
<td>Advanced Physiotherapy MSc (with specialisation in Paediatric or Cardiorespiratory Physiotherapy) (flexible 2-5 years)</td>
<td>FT1</td>
<td></td>
</tr>
<tr>
<td>Postgraduate Diploma (flexible 2-5 years)</td>
<td>FT1</td>
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</tr>
<tr>
<td>Postgraduate Certificate (flexible 1-2 years)</td>
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</table>

**Entry requirements**

Normally a minimum of an upper second-class Bachelor’s degree from a UK university or an overseas qualification of an equivalent standard. For specific requirements see the institute’s website (www.ucl.ac.uk/ich/education-ich).

**Career prospects**

MRes graduates can move onto PhDs or research assistant posts either in the UK or overseas. Global Health and Development MSc and International Child Health MSc graduates work with international and national health and development organisations and charities as researchers, consultants, policy-makers and frontline aid workers.
Epidemiology and Public Health

We provide a friendly, rich and diverse multi-disciplinary environment in which to work: staff specialise in biology, dentistry, economics, epidemiology, genetics, medicine, psychology, public health, statistics and sociology.

The internationally acclaimed datasets (including the 1946 Cohort, Whitehall II, Health Surveys for England and Scotland, ELSA) housed by us provide a wealth of research opportunities.

Expertise is reflected in our worldwide collaborative links and involvement in national and international reports (including World, UK and EU reports on the Social Determinants of Health).

Staff expertise, research experience and a commitment to developing a better understanding of health and the prevention of ill health provide a supportive and enriching experience.

Research programmes

<table>
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<tr>
<th>MPhil/PhD</th>
<th>FT3</th>
<th>PT5</th>
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</table>

Research areas are:
- Cardiovascular epidemiology
- Dental public health
- Disability and health
- Gender, family and health
- Genetic epidemiology
- Health and income
- Health behaviours including diet, physical activity, alcohol and smoking
- Health care evaluation
- Health in Central and Eastern Europe
- Health economics
- Inequalities in health
- Inequalities in nutrition
- Labour market status and health
- Physical and mental capacity and ageing
- Population health across the life course
- Psychosocial cause of ill health
- Social determinants of health
- Socioeconomic and ethnic inequalities in infant and child health
- Statistical methodology
- Work, stress and health.

Entry requirements

A Master’s degree in a relevant discipline from a UK university, or an overseas qualification of an equivalent standard.

Career prospects

Students graduating in the last three years have secured posts in local government, NHS Trusts and the Department of Health/Ministry of Health, research posts at UCL and other universities, and research institutes both in the UK and abroad.

Entry requirements

- Dental Public Health MSc: applicants should hold a UK medical or dental qualification, or an overseas qualification of an equivalent standard. Applicants must also have completed a minimum of an upper second-class UK Bachelor’s degree in a relevant discipline or an overseas qualification of an equivalent standard. Applicants must be confident using computers and show evidence of numeracy.
- Health and Society: Social Epidemiology MSc: a minimum of an upper second-class UK Bachelor's degree in a relevant discipline or an overseas qualification of an equivalent standard. Applicants must be confident using computers and show evidence of numeracy (e.g. GCSE Mathematics or Statistics).
- Health Psychology MSc: a minimum of an upper second-class UK Bachelor’s degree in Psychology, or an overseas qualification of an equivalent standard. Applicants must also have Graduate Basis for Registration (GBR) with the British Psychological Society (BPS).

Career prospects

Recent graduates have secured research posts at UCL (including the Institute of Neurology and the Division of Population Health) and the London School of Hygiene and Tropical Medicine, academic posts in the UK and abroad (including China, Thailand and Nigeria), posts in local government, NHS Trusts and the pharmaceutical industry, or have gone on to undertake a research degree either at UCL or elsewhere.

Contact details

Research programmes:
Mr Andreas Opitz
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Health Psychology MSc:
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All other MSc programmes:
Ms Catherine Conroy
EMAIL graduateinfo@public-health.ucl.ac.uk
TEL +44 (0)20 7679 1680

Tuition fees

Up-to-date tuition fee information is available at www.ucl.ac.uk/current-students/money

Funding

ESRC, MRC, MRC/ESRC, Cancer Research UK, Diabetes UK, Wellcome Trust and British Heart Foundation studentships have been secured in the past. Recognised ESRC and MRC training outlet.

Further information on pages 26–31

Related departments

Health Informatics and Multiprofessional Education, page 119
Infection and Population Health, page 120
Mental Health Sciences, page 53
HEALTH INFORMATICS AND MULTIPROFESSIONAL EDUCATION

UCL’s Centre for Health Informatics and Multiprofessional Education (CHIME) aims to build practical informatics solutions in partnership with our local NHS Trusts. A second aim is to provide flexible, accessible education and professional development for clinicians and managers in health service development.

The new Health and Medical Sciences MSc allows students to construct a personalised programme to meet their needs, choosing from a library of clinical and generic modules from across UCL, statistics and sociology.

Our academic staff are from diverse academic, clinical and professional backgrounds with international reputations in fields such as electronic healthcare records, medical use of the internet, computer-assisted radiology, clinical governance and clinical risk management.

Our programmes are acknowledged as market leaders by companies – including Cerner and Dr Foster – and by the NHS, for whom they provide a graduate training programme.

Research programmes

<table>
<thead>
<tr>
<th>MPhil/PhD</th>
<th>FT3</th>
<th>PT5</th>
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</table>

Research areas are:
- Clinical governance
- Computer-aided detection of disease
- Decision support systems
- Electronic healthcare records
- Health service research
- Information governance and security
- Patient safety
- Patient use of technology
- Social networks.

Entry requirements
A minimum of an upper second-class Bachelor’s degree in a relevant discipline (such as medicine, nursing, pharmacy, health service management, librarianship, psychology, information science or computing) from a UK university, or an overseas qualification of an equivalent standard.

Career prospects

Most MSc graduates have gone on to work in clinical or information management roles in health services in the UK or overseas. Others have moved into academic careers or taken positions in industry. Businesses employing CHIME graduates include companies selling information services and information technology into the healthcare sector but also the insurance and pensions industries.

Entry requirements

- Health and Medical Sciences MSc: a medical degree (MBBS) or a minimum of an upper second-class UK Bachelor’s degree in a relevant discipline or an overseas qualification of an equivalent standard.
- Health Informatics MSc: a minimum of an upper second-class UK Bachelor’s degree in a relevant discipline or an overseas qualification of an equivalent standard.

Career prospects

CHIME research students go on to a variety of roles in academia, health services – in the UK and abroad – and industry. In recent years most of our PhD students have combined study with paid employment on research projects and have moved on into academic positions.

Contact details
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EMAIL e.rodrigues@ucl.ac.uk
TEL +44 (0)20 7288 5966

Tuition fees
Up-to-date tuition fee information is available at www.ucl.ac.uk/current-students/money

Funding
A number of EPSRC studentships are available to UK/EU students applying to the Health Informatics MSc.

Further information on pages 26–31

Related departments
- Cardiovascular Science, page 116
- Child Health, page 117
- Computer Science, page 77
- Epidemiology and Public Health, page 118
- Infection and Population Health, page 120
- Medical Physics and Bioengineering, page 81
- Mental Health Sciences, page 53
- Primary Care and Population Health, page 121
- Women’s Health, page 122

Mark Pratt
Health Informatics MSc

I am an NHS Graduate Management Trainee on the Informatics specialism. UCL was the chosen provider for this Master’s as part of this scheme. My programme is fully funded by the NHS Graduate Management Training Scheme. When I’m not studying I’m kept busy with other aspects of the NHS Graduate Management Training Scheme. Once I’ve completed the MSc and the rest of the scheme, I hope to secure a permanent role in the NHS in the area of health informatics.

10 academic staff
10 research students
76 taught graduate students
Research Assessment 2008
30% rated 4* or 3* (see page 5)
Multi-disciplinary research on the drivers, treatment and control of infectious disease locally and globally, and a commitment to improving health, make the department an ideal environment in which to pursue graduate studies.

Our expertise in epidemiological, clinical, statistical and behavioural sciences and collaborative relationships with laboratory sciences (virology, immunology) and social sciences (anthropology, economics) provides an incredibly rich learning environment.

Our research ranges from observational aetiological studies through to clinical trials and complex behavioural and health service interventions, providing a diverse and expert knowledge base for teaching and research.

We work at local (London Boroughs), national and international (Africa, India, China, Europe) levels to realise our goal, to reduce the population impacts of infection and to promote individual health.

Principal research areas are:

- **Behavioural science and HIV**: reproductive issues, suicide, bereavement, prevention of transmission, ethical and legal aspects of living with HIV, policy
- **Clinical (genito-urinary medicine), epidemiological and behavioural research**
- **Epidemiology**: prevention and treatment of infections (especially HIV and other sexually transmitted infections)
- **Large treatment cohorts**: mechanisms of action and the impact of multi-drug anti-HIV therapy.

**Entry requirements**

A minimum of an upper second-class Bachelor’s degree in a relevant discipline from a UK university or an overseas qualification of an equivalent standard. A relevant Master’s degree is desirable.

**Career prospects**

Students graduating in the last three years have secured posts at UCL, the MRC General Practice Research Framework, Primary Care Trusts and hospitals in the UK and overseas within national sexually transmitted infection control programmes. They have also gone on to research degrees in the UK and Europe, academic training posts and World Health Organisation (WHO) internships.
We are one of the eight departments forming the prestigious National School of Primary Care Research, signifying national and international standing and the quality of our staff, teaching and research agenda.

Our multi-disciplinary research base is reflected in staff expertise in the areas of clinical primary care, health services research, epidemiology, medical statistics and medical sociology.

Close links to the MRC General Practice Framework and PRIMENT, a UK CRC Clinical Trials Unit, provide access to data and expertise in primary care and mental health research.

Methodological strengths in quantitative and qualitative research methods, the opportunity to analyse large clinical databases, and a strong supportive divisional culture for graduate research provide excellent opportunities.

Principal research areas are:

- Cardiovascular epidemiology
- Care of older people: effective primary care for older people and the integration of health and social care

- e-Health and use of new technologies in health and health care
- Effectiveness and safety of health care interventions through routinely collected data
- Mental health research: effectiveness of interventions for severe and minor mental health problems
- Primary care education
- Risk factors for cardiovascular disease.

**Entry requirements**

- MPhil/PhD degree: candidates require a minimum of an upper second-class Bachelor's degree in a relevant discipline from a UK university or an overseas qualification of an equivalent standard. A relevant Master's degree from an appropriately accredited institution is desirable.
- MD(Res): candidates must have been awarded the University of London MBBS or a registered primary qualification in Medicine and be eligible for full registration or hold limited registration with the UK General Medical Council (GMC).

**Career prospects**

Students graduating in the last three years have moved into research posts at UCL and other research or academic institutions or have taken up roles within the NHS.
The UCL Institute for Women's Health provides an academic environment in which students can develop and pursue research at the highest level.

The institute provides opportunities for research in laboratories and groups at the leading-edge internationally in a recognised centre of excellence.

We develop research and academic skills of scholarship and enable our students to learn from, and contribute to, the broader objectives in women's health in basic and clinical science.

Our research programmes develop and foster specific research skills as well as generic and transferable skills, enabling students to compete in the broadest range of career opportunities.

- Reproductive endocrinology
- Reproductive ethics
- Women's cancer risk prediction.

Entry requirements
A minimum of an upper second-class UK Bachelor's degree in a relevant discipline, or an overseas qualification of an equivalent standard, or a recognised Master's degree.

Career prospects
Recent graduate destinations include academic research posts in the UK at UCL and Oxford University, and overseas at the University of Athens. Other graduates have taken up positions with organisations such as Pfizer and the Institute of Cancer Research UK. MD(Res) graduates have gone on to take up NHS consultant posts in obstetrics and gynaecology.

Contact details
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Haemoglobinopathy MSc:
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Funding
Further information on pages 26–31

Funding
Further information on pages 26–31